

Amendments to the Specification:

Please replace the paragraph at page 40, lines 2-11 with the following amended paragraph:

In one aspect the invention provides an isolated monoclonal or recombinant antibody or antigen binding fragment thereof that specifically binds to human telomerase reverse transcriptase. It is contemplated that antibodies directed against the telomerase subunit proteins will find use in the diagnosis and treatment of conditions and diseases associated with expression of telomerase (including the over-expression and the absence of expression). Such antibodies include, but are not limited to, polyclonal, monoclonal, chimeric, single chain, Fab fragments and fragments produced by a Fab expression library. Given the phylogenetic conservation of the reverse transcriptase motif in the 123 kDa subunit of the Euplotes telomerase, it is contemplated that antibodies directed against this subunit may be useful for the identification of homologous subunits in other organisms, including humans. It is further contemplated that antibodies directed against the motifs provided in the present invention will find use in treatment and/or diagnostic areas.